

A b s t r a c t

The present invention relates to a Ni-base brazing alloy. The alloy has a good wettability toward a material to be brazed when melting, an excellent corrosion resistance and a high strength. The alloy is used for process of joining two pieces of metal such as stainless steel. The alloy contains Cr in an amount of 25 to 35 % by weight, P in an amount of 4 to 8 % by weight, Si in an amount of 3 to 6 % by weight, wherein the total amount of P and Si is 9 to 11.5 % by weight, at least one selected from a group consisting of Al, Ca, Y and misch metal in an amount of 0.01 to 0.10 % by weight, and the balance of Ni and unavoidable impurities.